iconBIT XD290HDMI

User Manual

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1. Introduction.

1.1 General Information

Dear Customer!

Thank you for choosing the iconBIT device. We hope that you will be satisfied by using our device for home entertainment. The iconBIT multimedia HD-player allows playing high-quality digital video, audio and photo from different sources on an analogue TV, HDTV (TV supporting high-definition video), home theater and other devices.

1.2 Key Features

This iconBIT Multimedia HD-player has the following functions:

Audio/Video outputs

- HDMI V1.3 for high-definition video and digital audio
- Composite video and stereo audio for analog audio-visual connection
- Adjustable video output resolution (NTSC, PAL, 480p, 576p, 720p, 1080i, 1080p)

Multimedia Playback

- Supports major audio, video and image file formats (1080p HD video decoding)
- Movie format: AVI/MKV/TS/MPG/MP4/MOV/VOB/ISO/IFO/DAT/WMV/RM/RMVB
- Music format: MP3/OGG/WMA/WAV/FLAC
- Photo format: HD JPEG/BMP/PNG

Interfaces Support

- USB 2.0 HOST port (for external USB storage devices)
- USB 3.0 Device port (compatible to USB 2.0)
- SD card slot

File Copy

- Supports copying & moving files among USB and internal HDD.

Note: *All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.*

1.3 Packing List

Part	Quantity
Multimedia player	1
Remote Control	1
A/V cable	1
AC/DC adaptor	1
User manual (printed)	1

Note: *The actual contents in the package might be different from the packing list in this manual.*

1.4 Safety instructions

Please read the safety instructions carefully prior to using the device. Keep the instructions in an easily accessible location for further use.

Warning signs

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure the may be of sufficient magnitude to constitute a risk of electric shock to persons.	ALERT: To reduce the risk of electric shock, do not remove the back cover. No user serviceable parts inside. Refer servicing to qualified service personnel.	The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important and maintenance (servicing) instructions in the literature accompanying the appliance.

Precautions concerning power supply:
- Do not plug many devices into one electric socket. This may lead to an overcharge, combustion or electrical trauma.
- Do not touch the plug with wet hands. This may lead to electrical trauma, short circuiting and combustion.
- When connecting an electric cable, make sure that the cable is protected from damaging and is not being subject to any tension.
- It is essential to use the recommended power unit type with characteristics that comply with the specification.
- If you are not planning to use the media player for a long time, you should disconnect it from the power system in terms of safety and energy saving. Keep in mind, that even being in standby mode the device consumes electric energy.
- You should not connect the device to the power system immediately after bringing it from a cold surrounding to a warm one. Unpack the device and leave it in the warm environment for 2 to 3 hours to let the condensate evaporate from the inner parts of the device.

Effect of radio interference and magnetic field:
- In case of absence of adequate screening virtually any electronic device becomes subject to radio interference. In some conditions the radio interferences may affect the operation of the media player.
- The iconBIT media player is designed in compliance with the FCC/CE standard, as well as the following statements:
a. This player does not produce any harmful interference or emission;
b. When placed close to a source of strong radio interference the player may not be able to function properly.
- Do not locate the device close to sources of strong magnetic fields. Such field may damage data on your hard disk. In such case we will not be responsible for integrity of data on your hard disk.

Installation precautions:
- The device is designed for indoor usage. Do not expose it to direct sunlight; do not locate it next to any heat sources, heaters, radiators or refrigerating equipment. The operational temperature should be within the range of +5°C to +35°C.
- Protect the device from getting wet as this may lead to combustion or electrical trauma.
- Do not place any containers with liquid on top or next to the player.

- Do not use the device in high humidity, e.g. in a bathroom or a swimming pool.
- When installing the device in an enclosed space, make sure there is enough space for the device to cool via heat emission. Do not cover vent holes of the device, so that sufficient amounts of air could enter the device body.
- Do not place the device on an uneven or unsteady surface. Do not drop the device and protect it from other objects getting dropped onto it.

Comments on the use of the remote control (RC):
-Point the RC directly at the infrared receiver of the device. Otherwise the RC may not function properly.
-Handle the RC with care. In case of loss of RC, contact the service centre to order a new one. A large portion of functions of the device is accessible only via the RC.

Operation precautions:
- Other devices and associated equipment should be connected via audio and video cables only when the devices are switched off.
- Do not use the device during thunder to prevent breakdown.
- Do not use the player together with any devices, which it does not support – this may lead to player breakdown.
- Do not push the player buttons to hard.
- When disconnecting the device from PC USB hub, always use the "Safely Remove Hardware" functionality to prevent data loss.

Using hard disk drive (HDD) – precautions:
- If the device can be provided with an internal HDD for data storage, the device should not be exposed to severe external impact. This may lead to HDD or player outage.
- Make sure the HDD has cooled down prior to extracting it. The heat emitted by the HDD may burn the skin.
- The manufacturer is not responsible for loss of personal or any other confidential information stored on your HDD resulting from physical impact, electric shock, voltage jumps, formatting etc.
- We recommend periodic backup copying to prevent data loss.
- In case of HDD productivity slowdown or other problems we recommend performing a check for bad sectors on the HDD and complete defragmentation.

Maintenance:
- When cleaning the device, always unplug the power cable. Use a soft cotton tissue or similar, that does not produce electrostatic charge.
- Never use gasoline or any other dissolvent for cleaning the player, as they might damage the device.
- In case of severe dirtying wet wipes for computers may be used.

Comments on equipment repairs:
- It is forbidden for users to modify the design of the device. Do not disassemble the player. In case of device breakdown due to self-performed repairs or modification, no warranty service will be provided.
- Should any malfunction appear, the device must be taken to an authorized service centre, where personnel will perform diagnostics and repair.

	Do not dispose the device. The product is recyclable. Utilization requirements should be met. In some countries utilization of electronic devices is in the scope of specialized guidelines; please refer to relevant local organizations for additional information.

2. About the player

2.1 Remote Control

1. Power
2. Up
3. Home
4. OK
5. Left
6. Menu
7. Info
8. Play/Pause
9. VOL+
10. FR
11. VOL-
12. FF
13. Mute
14. Zoom
15. Next
16. Prev
17. Stop
18. Down
19. Edit
20. Right
21. Return

No.	Button	Function
1	**Power**	Press to enter standby mode or wake up.
2	**Up**	Navigational button. Press the arrow buttons to select menu options.
3	**Home**	Press to enter the home screen.
4	**OK**	Press **OK** button to confirm.
5	**LEFT**	Navigational button. Press the arrow buttons to select menu options.
6	**Menu**	Press to enable the option menu, where you can change the review mode of file manager and media library; Press to display or hide the option menu during playback.
7	**Info**	Press during playback, an onscreen display appears showing track number and time elapsed/remaining.
8	**Play/ Pause**	Press to begin/pause playback.
9	**VOL+**	Press to increase the volume.
10	**FR**	Press to fast rewind the current playback. Press repeatedly to select speeds.
11	**VOL-**	Press to decrease the volume.
12	**FF**	Press to fast forward the current playback. Press repeatedly to select speeds.
13	**Mute**	Press to mute audio output, and press again to resume.
14	**Zoom**	Press to zoom the image (photo or video).
15	**Next**	Press to view the next file / page down.
16	**Prev**	Press to view the previous file / page up.

17	**Stop**	Press to stop playback.
18	**DOWN**	Navigational button. Press the arrow buttons to select menu options.
19	**Edit**	Press to enter file editing menu in file manager. Press to enter file selecting menu in media library.
20	**RIGHT**	Navigational button. Press the arrow buttons to select menu options.
21	**RETURN**	Press to return to the previous screen while navigating menus.

2.2 Front Panel

1. POWER button
2. Copy button
3. Memory Card slot
4. Status indicator
5. USB HOST port

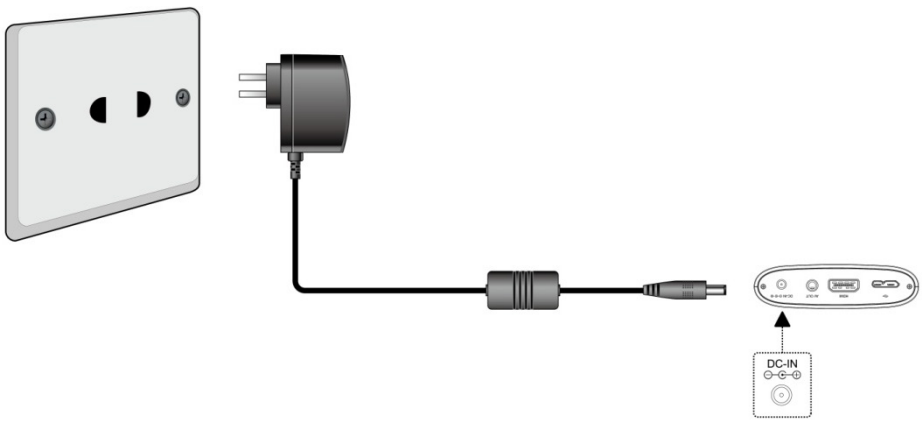
2.3 Back Panel

1. DC-IN jack
2. A/V OUT jack
3. HDMI connector
4. USB3.0 DEVICE port

2.4 Connection

2.4.1 Power connection

The player’s power voltage: DC 5V.



2.4.2 Connect to Computer

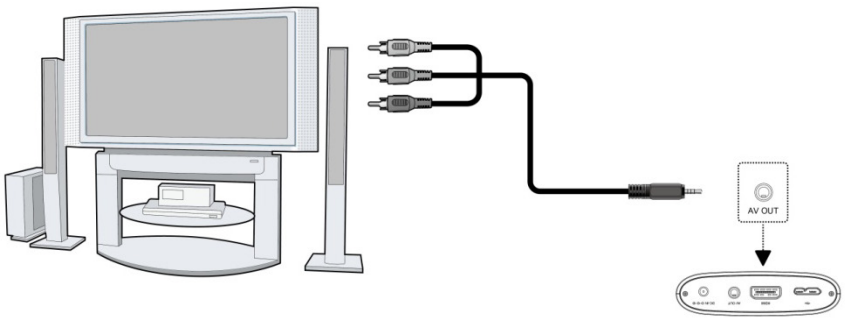
(1) Plug in the connector of the USB 3.0 cable to this player's USB DEVICE port;
(2) Plug in the rectangular connector of the USB 3.0 cable to computer.

Conect the player to the USB3.0 port of the PC, You can get faster transmission speed.

2.4.3 TV connection

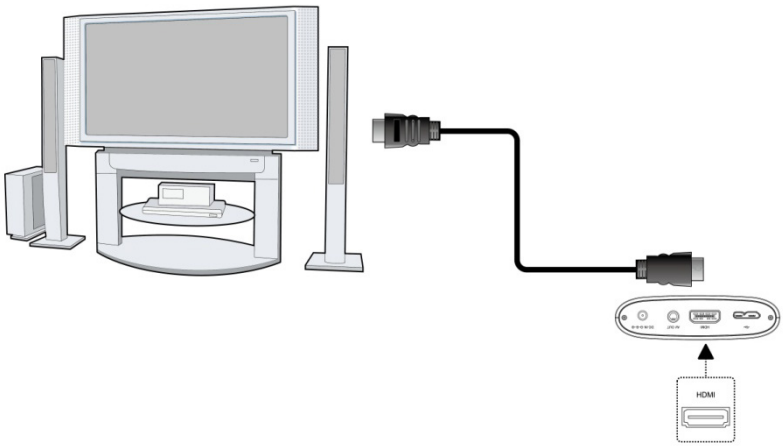
2.4.3.1 A/V OUT

(1) Follow the picture and plug in the A/V connector to the player's A/V OUT jack;
(2) Follow the picture and plug in the 3 color connector to the TV's A/V IN jack.



2.4.3.2 HDMI OUT

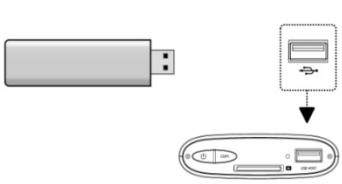
(1) Follow the picture and plug one connector on your HDMI cable to the player's HDMI connector;
(2) Follow the picture and plug the other connector on your HDMI cable to the TV's HDMI connector.

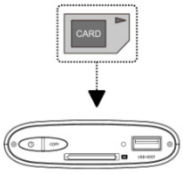


HDMI cable is not included.

2.4.4 USB Mass Storage Device Connection

(1) Make sure the player is powered on;
(2) Plug in the USB stick or USB HDD etc. to one of the USB host ports of this player.





2.5 Player usage

On / Off

Power On

After connecting the DC IN jack and press the power button on the remote control, the player will soon enter the home screen, and the power indicator will turn blue.

Power Off

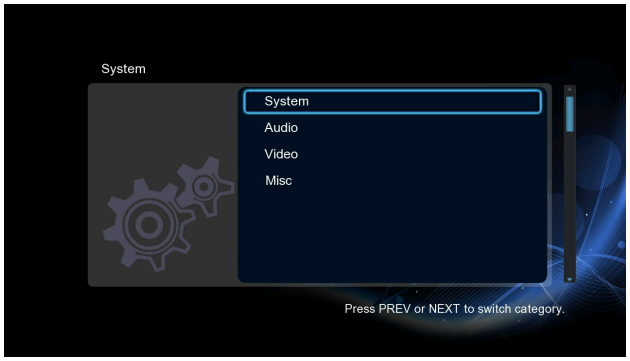
Press the power button on the remote control, the player will soon enter standby mode, and the power indicator will turn red. Then unplug the power cord to cut off the power supply.

3. Main Functions

3.1 Setup Menu

The Setup menu allows you to personalize and configure the preferences for your player.
To select a Setup option:

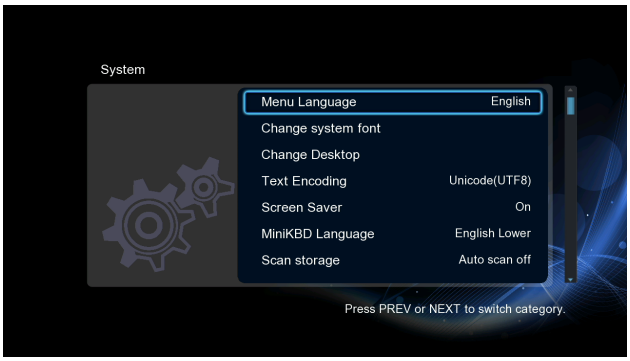
- Select the Setup icon on the home screen.
- Use the **Left**/**Right** navigational buttons to select an option, and then press **OK**.



There are four setup options, including **System**, **Audio**, **Video** and **MISC**. Use the **Up/Down** navigational buttons to select a menu. Press **OK** to confirm. Press **Return** to cancel and display the previous menu screen.

3.1.1 Changing System Settings

Use this menu to configure system settings.



Menu Language

- Select to choose the OSD (On-Screen Display) language.

Change system font

- Select to change system font.

  Create a folder named "Resource" in the root directory of your USB or HDD, rename your font as 'font.ttf 'and then copy it to the folder.

Change Desktop

- Select to change the desktop.

  Create a folder named "Resource" in the root directory of your USB or HDD, rename your photo as 'desktop.png' and then copy it to the folder.

Text Encoding

- Select to set the text encoding option (subtitle display).

Screen Saver

- Select to turn on/off screen saver.

Mini KBD Language

- Select to change the language of the mini keyboard.

Scan storage

- Select to set the scan mode of media library.

Resume Play

- Select to turn on/off resume playback (auto-bookmarking) feature for movies.

Format

- Select to format your external HDD.

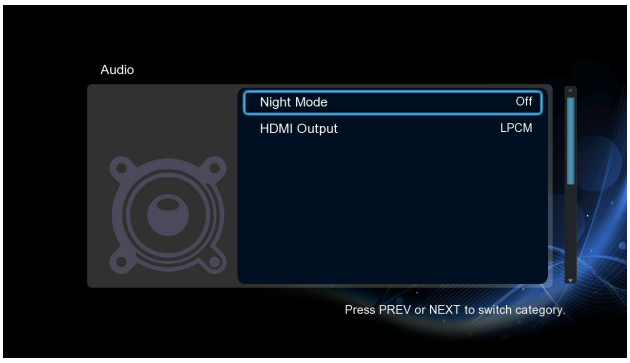
Restore Default

- Select to restore factory defaults.

Note: HDD format will remove all data stored on the hard disk drive. Please take care and backup your data in advance!

3.1.2 Changing Audio Settings

Use this menu to configure audio settings



Night Mode

- Choose among **Off** / **On** / **Comfort**. If the option is turned on, the audio output volume will be decreased to make you more comfortable.

HDMI Output

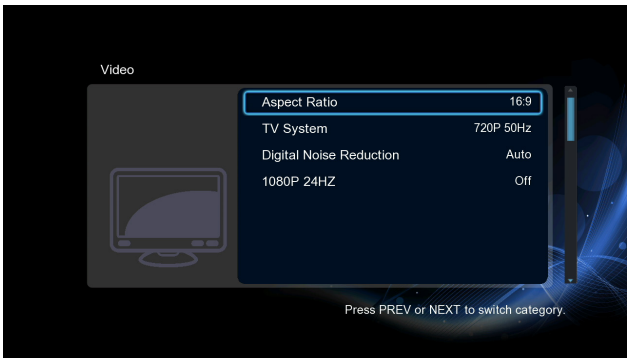
- Choose among **LPCM, RAW**.

Note: *In raw mode, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS sound can be by passed to the HDMI TV or Digital amplifier.*

Due to the bandwidth requirement, Dolby TrueHD and Dolby Digital Plus sound only can be by passed though HDMI cable, also the TV system must up to 720p or above.

3.1.3 Changing Video Settings

Use this menu to configure video settings.



Aspect Ratio

- **Pan Scan 4:3**: Display a wide picture on the entire screen and cuts off the redundant portions. Select when a standard 4:3 TV is connected.
- **Letter Box 4:3**: Display a wide picture with two black borders on the top and bottom of 4:3 screen. Select when a standard 4:3 TV is connected.
- **16:9**: Compress the image to convert the whole image. Select when a 16:9 TV is connected.
- **16:10**: Select when a 16:10 TV is connected.

TV SYSTEM

- Select to adjust video output resolution.

Digital Noise Reduction

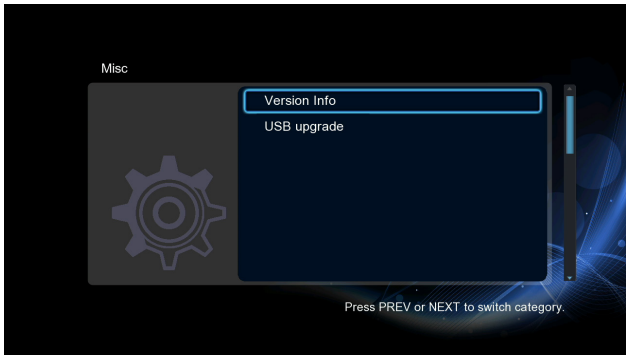
- Select to turn on/off digital noise reduction.

1080p 24Hz

- Choose this option to enable or disable 1080P 24HZ support. A TV set with 1080P 24HZ (24P) mode is needed.

3.1.4 Miscellaneous

Use this menu to adjust miscellaneous settings.



Version Info

- This tab shows you information about the software installed and about the material components of your player.

USB Upgrade

- Select to update the firmware via a USB stick.

Method 1 :

Enter Setup →Misc→ USB Upgrade

Select to update the firmware via a USB stick.

1) Copy 'install.img' to the root directory of a USB stick, and connect it to the USB HOST port of the player.
2) Press **OK** to confirm.

Method 2 :

Step 1. Copy 'install.img' to the root directory of a USB stick, and connect it to the USB HOST port of the player.

Step 2. Press and hold the **power** / **standby** button on the front panel, and do not loosen.

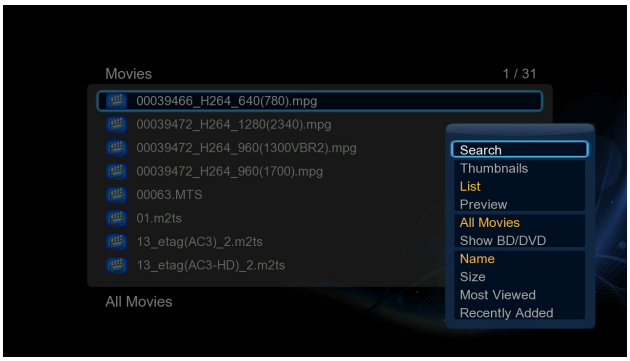
Step 3. Plug the power cable into the DC IN jack, wait for about 5 seconds or more, and then loosen your finger on the **power** / **standby** button. Firmware installation will start.

3.2 Playback

Enter into movie/photo/music/files manager interface, only supported files will be displayed. Please refer to **Appendixes** in chapter ***'4.1 Specifications'*** for more details about the supported files.

3.2.1 Movie Library Options

In movie library, press **Menu** button to display the option menu, you can get following functions though the option menu.



Quick-Search

- Choose the **Search** option in the option menu, you can search for a media file by filter media library to locate the specific media file.

Review Mode

- Choose a review mode among **Thumbnails**, **List**, **Preview** from option menu.

Sorting Mode

- Choose to sorting by **Name**, **Size**, **Most Viewed** or **Recently Added** from option menu.

3.2.2 Movie Playback Options

During movie playback, press **Menu** button to display or hide the option menu at the bottom of the screen.

Except select audio track, subtitle, repeat mode, you also can get following functions though the Option menu during video playback.

DVD Menu

- Select to return to the navigation menu during DVD IFO or ISO playback.

GOTO

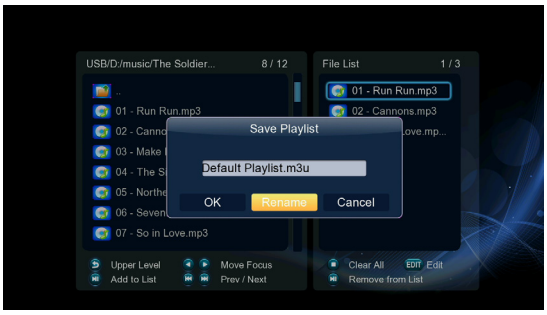
- Select to jump to a specific point on a title. Specify the point using Title, Chapter and Time.

Video Setting

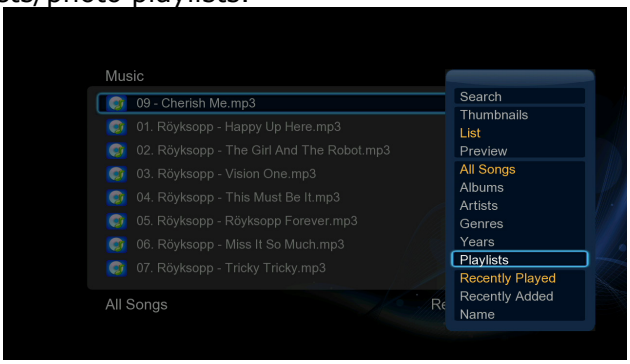
- Select to adjust the value of **Brightness, Contrast, Saturation** and **Hue**.

3.3 Playlist management

In the music/photo library, select music/photo files then press **EDIT**, and then save them to playlist/album.



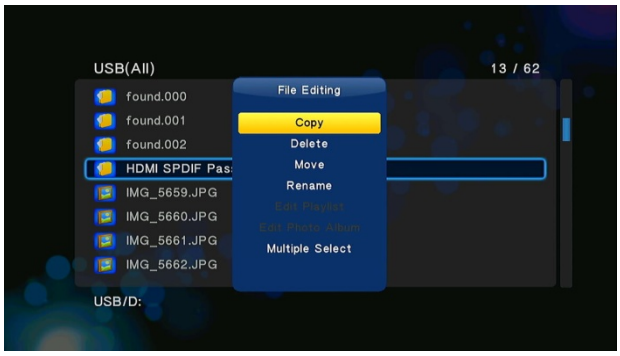
Then enter music library/photo library press **MENU** button and choose **Playlists/album** to show your music playlists/photo playlists.



3.4 Copy Function

3.4.1 Copy under File Manager

Press **Edit** button to enter file editing menu, choose **Copy** and follow the prompt on screen to finish the process. If you want to select more files and folders, please choose **Multiple Select** to enter the file selecting menu.



3.4.2 Copy button

If the player is working with an internal HDD and USB HDD or USB Flash Disk, then press the **copy** button of the front panel. You could copy the files of mobile HDD or USB Flash Disk to the internal HDD.

4. Appendices

4.1 Specifications

I/O INTERFACES SUPPORTED	2.5" SATA HDD/USB 3.0 Device port (compatible to USB 2.0)/AV jack/HDMI V1.3 interface/DC-IN 5V 2.4A
FILE SYSTEM SUPPORTED	FAT32/NTFS
CONTENT FORMATS SUPPORTED	**Movie**-- AVI/MKV/TS/MPG/MP4/MOV/VOB/ISO/IFO/DAT/WMV/RM/RMVB, resolution up to 720p/1080i/1080p; **Music**--MP3/OGG/WMA/WAV/FLAC; **Photo**--HD JPEG/BMP/PNG.
VIDEO CODECS SUPPORTED	MPEG-1/HD MPEG-2/HD MPEG-4 SP/ASP/AVC (H.264)/WMV9 (VC-1)/RealNetworks (RM/RMVB) 8/9/10, up to 720p.
AUDIO CODECS SUPPORTED	MP2/3, OGG Vorbis, WMA Standard (DRM, and Advanced Profile not supported), PCM, LPCM, RA, DTS, Dolby Digital, Dolby Digital Plus, Dolby TrueHD)
SUBTITLE FORMATS SUPPORTED	SRT, SMI, SSA,SUB, IDX+SUB

4.2 Warranty Information

Obtaining Service

iconBIT values your business and always attempts to provide you the very best of service. If this Product requires maintenance, either contact the dealer from whom you originally purchased the Product or visit our product support Web site at *www.iconbit.com*. Your original box and packaging materials should be kept for storing or shipping your iconBIT product. iconBIT shall have no liability for lost data regardless of the cause, recovery of lost data, or data contained in any Product placed in its possession.

Limited Warranty

iconBIT warrants that the Product, in the course of its normal use, will for the term defined below, be free from defects in material and workmanship and will conform to specification therefore. **The term of your limited warranty is 1 (one) year**. The term of your limited warranty period shall commence on the purchase date appearing on your purchase receipt. Subject to the limitations specified below, your sole and exclusive warranty shall be, during the period of warranty specified above and at iconBIT's option, the repair or replacement of the Product.

Warranty does not cover:

- Acts of nature, such as fire, static discharge.
- Damage from unauthorized repair, alteration or accident.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Loss of customer's software, firmware, information, or memory data.
- Improper handling or installation.
- The serial number of the product is defaced or missing.

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Version 2, June 1991

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